



BIOGRAPHY



UNITED STATES AIR FORCE

STEVEN J. WOURMS

Steven J. Wourms is Acting Director for Advanced Computational Analysis at Aeronautical Systems Center, Air Force Materiel Command, Wright-Patterson Air Force Base, Ohio. He also serves as the Director of the Major Shared Resource Center (MSRC) at Wright-Patt, a fully-funded DOD activity.

Mr. Wourms was born in Dayton, Ohio, and began his Government career in 1977 as a GS-02 Construction Inspection Aid for the US Army Corps of Engineers. His career has centered on modeling and simulation: trajectory analysis of foreign threat systems; and strategic nuclear arsenal and air mobility analysis as a development planner. His mobility analysis experience includes extensive strategic and theater airlift work for the US Air Force and Army, along with the French government.



Other assignments, again modeling and simulation-centered, include: chief integration engineer and effectiveness analyst for a strategic airlift acquisition program; a headquarters chief engineer for modeling and simulation integration; two assignments in the formative stages of ASC's Simulation and Analysis Facility (SIMAF); and Director of Engineering for Information Technology.

In his current role, Mr. Wourms directs the largest MSRC in all of the Department of Defense, which includes the most powerful supercomputer system in all of the DOD. A "full service" operation, the MSRC provides a wide variety of systems at multiple levels of classification, software, extensive user support, and a proud tradition of an innovative spirit and customer satisfaction. The Directorate has an annual budget of approximately \$37M and a staff of 100 Government and contractor personnel.

EDUCATION

1982 Bachelor of Science in Engineering, Wright State University, Fairborn OH

1987 Master of Science in Engineering Management, University of Dayton, Dayton OH

ASSIGNMENTS

1. 1977 – 1981, Military Construction Technician, US Army Corps of Engineers, Wright-Patterson AFB (WPAFB), OH
2. 1981 – 1983, Mechanical Engineering Technician and Mechanical Engineer, Foreign Technology Division, WPAFB, OH
3. 1983 – 1994, Electronics Engineer and Systems Study Engineer, Aeronautical Systems Center (ASC), WPAFB, OH
4. 1994 – 1996, Chief Integration Engineer, Non-Developmental Airlift Aircraft SPO, ASC, WPAFB, OH
5. 1996 – 1997, Systems Integration Engineer, Directorate of Engineering, ASC, WPAFB, OH
6. 1997 – 1999, Supervisory Chief Systems Engineer, AFMC Modeling and Simulation Integration Office, WPAFB, OH
7. 1999 – 2002, Technical Director and Director of Engineering, Information Technology Directorate, ASC, WPAFB, OH
8. 2002 – 2005, Supervisory Computer Engineer, Advanced Computational Analysis Directorate, WPAFB, OH
9. 2005 – Present, Acting Director, Advanced Computational Analysis Directorate, ASC, WPAFB, OH

MAJOR AWARDS AND DECORATIONS

1996 John J. Welch Award for Excellence in Acquisition Management
1996 Exemplary Civilian Service

PROFESSIONAL CERTIFICATIONS

ACQUISITION PROFESSIONAL DEVELOPMENT PROGRAM (APDP)
Systems Planning, Research, Development, and Engineering: Level III
Program Management: Level III
Test & Evaluation: Level II
Communications-Computer Systems: Level I
REGISTERED PROFESSIONAL ENGINEER, 1986

PUBLICATIONS

“Application of Response Surface Methodology to the Arsenal Exchange Model”, Masters Thesis, 1987
“Impact of C-130 Reliability and Maintainability on Future Theater Airlift System Productivity.” *Proceedings of the Winter Simulation Conference*, 1991
“Impact of Theater Airlifter Characteristics on Future Theater Airlift System Productivity.” *Proceedings of the Winter Simulation Conference*, 1992
“Defining the Air Force’s Next Generation Theater Airlift Aircraft.” *OR/MS Today*, 1993

(Current as of June 2005)